CONTENTS

Tectonophysics Volume 199

Research Papers

Finite-element models of buckle folds in non-linear materials
Lan, L. and Hudleston, P.J. (Minneapolis, Minn., U.S.A.) 1

Complete seismic properties obtained from microcrack fabrics and textures in an amphibolite from the Ivrea zone, Western Alps, Italy
Siegesmund, S. and Vollbrecht, A. (Göttingen, Germany) 13

Rate of outward growth of the Mediterranean Ridge accretionary complex
Kastens, K.A. (Palisades, N.Y., U.S.A.) 25

Cadomian subduction / collision and Variscan transpression in the Badajoz–Córdoba shear belt, southwest Spain
Abalos, B., Ibarguchi, J.I.G. and Eguiluz, L. (Bilbao, Spain) 51

Evolution of the stress fields in the Carpatho-Pannonian area during the Neogene
Csontos, L. (Budapest, Hungary), Tari, G. (Houston, Tex., U.S.A.), Bergerat, F. (Paris, France) and Fodor, L. (Budapest, Hungary) 73

Multiple Miocene block rotation in the Bakony Mountains, Transdanubian Central Range, Hungary
Tari, G. (Budapest, Hungary) 93

Rotations in the northeastern collision belt of Taiwan: preliminary results from paleomagnetism
Lee, T.-Q. (Taipei, Taiwan, R.O.C.), Angelier, J. (Paris, France), Chu, H.-T. (Taipei, Taiwan, R.O.C.) and Bergerat, F. (Paris, France) 109

Assessment of earthquake hazard in the Tokyo area, Japan
Rikitake, T. (Tokyo, Japan) 121

Book Reviews

Scattering and Attenuation of Seismic Waves, Part II by Ru-Shan Wu and K. Aki (Editors)—S. Peacock 133

Geophysical Theory by W. Manke and D. Abbott—G.G. Tango 134

Errata 136

Special issue: The Achievements of Plate Tectonics in the U.S.S.R. (edited by L.P. Zonenshain)

Preface iii

Mobilism and plate tectonics in the USSR
Khain, V.E. (Moscow, U.S.S.R.) 137

Planetary evolution and global tectonics
Monin, A.S. (Moscow, U.S.S.R.) 149

Hot-field tectonics
Zonenshain, L.P. (Moscow, U.S.S.R.), Kuzmin, M.I. (Irkutsk, U.S.S.R.) and Bocharova, N.Yu. (Moscow, U.S.S.R.) 165

Mechanism of rifting: considerations based on results of physical modelling and on geological and geophysical data
Malkin, B.V. and Shemenda, A.I. (Moscow, U.S.S.R.) 193

Analysis of seismotectonic processes in subduction zones from the standpoint of a keyboard model of great earthquakes
Lobkovsky, L.I. (Moscow, U.S.S.R.), Kerchman, V.I. (Kishinev, U.S.S.R.), Baranov, B.V. and Pristavakina, E.I. (Moscow, U.S.S.R.) 211

The Komansdorsky Basin as a product of spreading behind a transform plate boundary
Baranov, B.V. (Moscow, U.S.S.R.), Seliverstov, N.I. (Petropavlosk-Kamchatsky, U.S.S.R.), Murav'ev, A.V. (Moscow, U.S.S.R.) and Muzurov, E.L. (Petropavlovsk-Kamchatsky, U.S.S.R.) 237

Kurile island-arc volcanism: structural and petrological aspects
Avdeiko, G.P., Volynets, O.N. (Petropavlovsk-Kamchatsky, U.S.S.R.), Antonov, A.Yu. (Irkutsk, U.S.S.R.) and Tsvetkov, A.A. (Moscow, U.S.S.R.) 271

Magmatism of the westernmost (Komandorsky) segment of the Aleutian Island Arc
Tsvetkov, A.A. (Moscow, U.S.S.R.) 289

Tectonics of the Verkhoyansk–Kolyma Mesozoides in the context of plate tectonics
Parfenov, L.M. (Yakutsk, U.S.S.R.) 319

A two-level concept of plate tectonics: application to geodynamics
Lobkovsky, L.I. (Moscow, U.S.S.R.) and Kerchman, V.I. (Kishinev, U.S.S.R.) 343
The position of continental flood basalts in rift zones and its bearing on models of rifting
Kazmin, V.G. (Moscow, U.S.S.R.) 375
A formation and evolution of overlapping spreading centers (constrained on the basis of physical modelling)
Shemenda, A.I. and Grokholsky, A.L. (Moscow, U.S.S.R.) 389